Canon

EOS M6
Mark II

Supplemental Information

ENGLISH

CEL-SX7XA210
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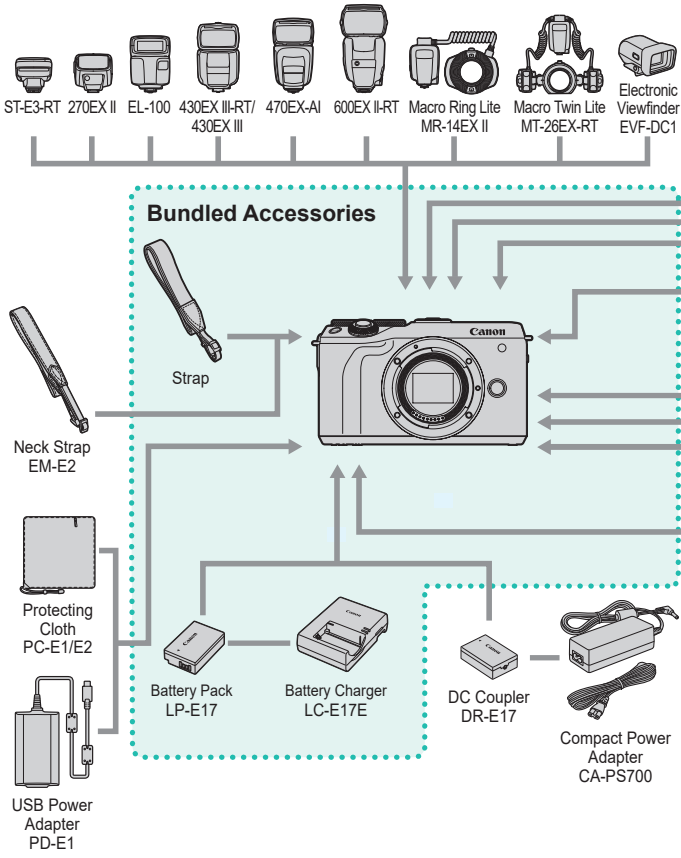
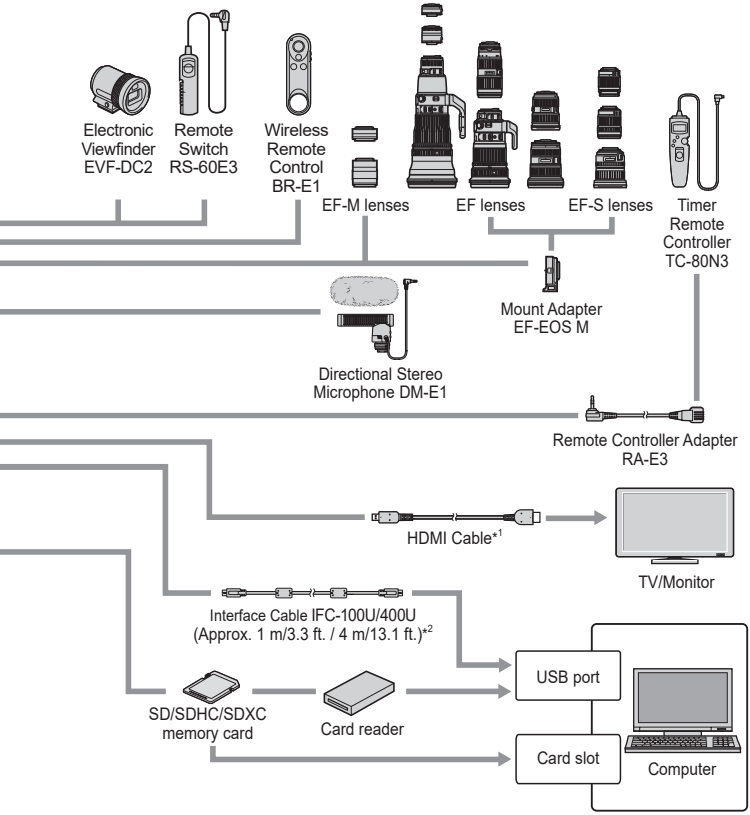
System Map


ST-E3-RT
270EX II
EL-100
430EX III-RT/
430EX III
470EX-AI
600EX II-RT
Macro Ring Lite
MR-14EX II
Macro Twin Lite
MT-26EX-RT
Electronic
Viewfinder
EVF-DC1
Bundled Accessories
Strap
Neck Strap
EM-E2
Canon
Protecting
Cloth
PC-E1/E2
Battery Pack
LP-E17
Battery Charger
LC-E17E
DC Coupler
DR-E17
Compact Power
Adapter
CA-PS700
USB Power
Adapter
PD-E1



*1: Use a commercially available cable no longer than 2.5 m (8.2 ft.). The camera end is Type D.
*2: Camera and computer end: USB Type-C.

Specifications

■ Type

Type:	Digital single-lens non-reflex AF/AE camera
Recording media:	SD/SDHC/SDXC memory card * UHS-II and UHS-I cards supported.
Image sensor size:	Approx. 22.3×14.8 mm
Compatible lenses:	Canon EF-M lenses * EF/EF-S lenses supported with a mount adapter attached (RF lenses not supported) (Effective angle of view is approx. 1.6 times the indicated focal length.)
Lens mount:	Canon EF-M mount

■ Image Sensor

Type:	CMOS sensor (supports Dual pixel CMOS AF)
Effective pixels:	Approx. 32.5 megapixels * Rounded to the nearest 100,000.
Aspect ratio:	3:2
Dust deletion:	Auto, Appending Dust Delete Data

■ Recording System

Recording format:	Design rule for Camera File System (DCF) 2.0
Image type:	JPEG, RAW (CR3, a Canon 14-bit RAW format) RAW+JPEG simultaneous recording possible * RAW images shot continuously are processed using 12-bit AD conversion.
Pixels recorded:	L (Large) : Approx. 32.3 megapixels (6960×4640) M (Medium) : Approx. 15.4 megapixels (4800×3200) S1 (Small 1) : Approx. 8.1 megapixels (3472×2320) S2 (Small 2) : Approx. 3.8 megapixels (2400×1600) RAW : Approx. 32.3 megapixels (6960×4640) C-RAW : Approx. 32.3 megapixels (6960×4640) * Rounded to the nearest 100,000.
Aspect ratio:	3:2, 4:3, 16:9, 1:1
Folder creation and selection:	Available
File numbering:	Continuous, Auto reset, Manual reset

■ Image Processing During Shooting

Picture Style:	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined 1–3
White balance:	Auto (Ambience priority), Auto (White priority), Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom, Color temperature setting (approx. 2500–10000 K) White balance correction and white balance bracketing features provided * Flash color temperature information transmission possible
Automatic image brightness correction:	Auto Lighting Optimizer provided
Noise reduction:	Applicable to high ISO speed shots and long exposures
Highlight tone priority:	Available
Lens aberration correction:	Peripheral illumination correction, Distortion correction, Digital Lens Optimizer, Chromatic aberration correction, Diffraction correction

■ Autofocus

Focus method:	Dual pixel CMOS AF
AF method:	Face+Tracking, Spot AF, 1-point AF, Zone AF
Available AF point positions:	Max. 5,481 * When selected with the cross keys
Available AF areas when automatically selected:	Max. 143
Touch & drag AF:	Available
Magnified view:	Approx. 5×/10×
Manual focus (MF):	MF peaking

[Still photo shooting]

AF operation:	One-Shot AF, Servo AF
Eye Detection AF:	Available
Continuous AF:	Available
AF area:	Horizontal: Approx. 88%, Vertical: Approx. 100% Horizontal: Approx. 80%, Vertical: Approx. 80% * Varies depending on factors such as the lens and aspect ratio used
Focusing brightness range:	EV –5 to 18 (f/1.4, center AF point, at room temperature, ISO 100, One-Shot AF)
Focus bracketing:	Available
AF-assist beam:	Built-in LED lamp

[Movie recording]

AF area:	Horizontal: Approx. 88%, Vertical: Approx. 100% Horizontal: Approx. 80%, Vertical: Approx. 80% * Varies depending on factors such as the lens used
Focusing brightness range:	[4K] EV –2.5 to 18 [Full HD/HD] EV –3 to 18 (f/1.4, center AF point, at room temperature, ISO 100, One-Shot AF, 29.97fps/25.00fps)
Movie Servo AF:	Available
Movie Servo AF characteristics:	Tracking sensitivity, AF speed

■ Exposure Control

Metering mode:	Real-time metering with image sensor 384-zone (24×16) metering Still photo shooting: • Evaluative metering (linked to all AF points) • Partial metering (approx. 4.5% of screen, at center) • Spot metering (approx. 2.6% of screen, at center) • Center-weighted average metering Movie recording: Center-weighted average and Evaluative metering with the image sensor * Automatically set by the focus method
Metering brightness range:	Still photo shooting: EV –2 to 20 (at room temperature, ISO 100) Movie recording: EV 0 to 20 (at room temperature, ISO 100)
Shutter:	Electronically-controlled, focal-plane shutter
Shutter speed:	1/4000 sec. to 30 sec. (total shutter speed range; available range varies by shooting mode), Bulb, X-sync at 1/200 sec. * Setting range differs when recording movies
Shooting mode:	Basic Zone: Scene Intelligent Auto, Hybrid Auto, Special scene (Self Portrait, Portrait, Smooth skin, Landscape, Sports, Panning, Close-up, Food, Night Portrait, Handheld Night Scene, HDR Backlight Control), Creative filters (Grainy B/W, Soft focus, Fish-eye effect, Water painting effect, Toy camera effect, Miniature effect, HDR art standard, HDR art vivid, HDR art bold, HDR art embossed) Creative Zone: Flexible-priority AE, Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure Custom shooting modes: C1, C2 Movie recording: Movie auto exposure, Movie manual exposure, HDR Movie

ISO speed: (recommended exposure index)	Basic Zone: ISO speed set automatically Creative Zone: ISO Auto, manually set within ISO 100–25600 (in 1/3- or 1-stop increments), expandable to H (equivalent to ISO 51200) * With highlight tone priority set, the minimum limit will be ISO 200 Movie recording: Movie auto exposure: ISO speed automatically set, expandable to H (equivalent to ISO 25600) Movie manual exposure: ISO Auto, manually set within ISO 100–12800 (in 1/3- or 1-stop increments), expandable to H (equivalent to ISO 25600) HDR movie: ISO speed set automatically * With highlight tone priority set, the minimum limit will be ISO 200
ISO speed settings:	Still photo shooting: ISO speed range, Auto range, Minimum shutter speed Movie recording: ISO speed range, Max for Auto, Time-lapse Max for Auto
Exposure compensation:	Still photo shooting: Manual: ±3 stops in 1/3- or 1/2-stop increments AEB: ±3 stops in 1/3- or 1/2-stop increments (can be combined with manual exposure compensation) Movie recording: ±3 stops in 1/3- or 1/2-stop increments
AE lock:	Still photo shooting: Auto: AE lock when focus is achieved can be enabled or disabled for each metering mode with a Custom Function Manual: With AE lock button Movie recording: With AE lock button

Flicker reduction:	Available in still photo shooting
Bulb timer:	Bulb exposure time settable
Interval timer:	Shooting interval and shot count settable
HDR shooting:	Dynamic range adjustment: Auto, ±1 EV, ±2 EV, ±3 EV Effects: Natural, Art standard, Art vivid, Art bold, Art embossed Auto image alignment: Available
Touch shutter:	Available

■ Drive System

Drive mode:	Single shooting, High-speed continuous shooting+, High-speed continuous shooting, Low-speed continuous shooting, Self-timer: 10sec./remote control, Self-timer: 2sec./remote control, Self-timer: Continuous
Continuous shooting speed:	High-speed continuous shooting+: Max. approx. 14 shots/sec. High-speed continuous shooting: Max. approx. 7.0 shots/sec. * Lower continuous shooting speed when reducing flicker or during flash photography. * The continuous shooting speed for high-speed continuous shooting may be lower, depending on conditions such as these: battery level, temperature, flicker reduction, shutter speed, aperture value, subject conditions, brightness, AF operation, type of lens, use of flash, and shooting settings. Low-speed continuous shooting: Max. approx. 3.0 shots/sec.

Maximum burst:	JPEG Large/Fine: Approx. 54 shots (Approx. 54 shots) RAW: Approx. 23 shots (Approx. 23 shots) C-RAW: Approx. 34 shots (Approx. 36 shots) RAW+JPEG Large/Fine: Approx. 23 shots (Approx. 23 shots) C-RAW+JPEG Large/Fine: Approx. 34 shots (Approx. 36 shots) * Measured with an SD card conforming to Canon testing standards (standard: 32 GB UHS-I card / high-speed: 32 GB UHS-II card) and under conditions following the standards (high-speed continuous shooting, 3:2 still image aspect ratio, ISO 100, Standard Picture Style). * Figures in parentheses are the number of shots when a Canon's standard testing UHS-II SD card is used.

■ Flash

Built-in flash:	Retractable manual pop-up flash
Guide number:	Approx. 4.6/15.1 (ISO 100, meters/feet) Flash coverage: Approx. 15mm lens angle of view Recycling time: Approx. 4 sec.
External Speedlite:	EL/EX series Speedlites supported
Flash metering:	E-TTL II autoflash
Automatic firing:	Available with Speedlites equipped with this feature
Flash exposure compensation:	±2 stops in 1/3- or 1/2-stop increments
FE lock:	Available
Continuous shooting priority mode:	Available with Speedlites equipped with this feature
PC terminal:	Not provided
Flash control:	Built-in flash settings, External flash function settings, External flash Custom Function settings

■ Movie Recording

Recording format:	MP4
Video:	MPEG-4 AVC/H.264, variable (average) bit rate
Audio:	AAC
Movie recording size:	4K (3840×2160), Full HD (1920×1080), HD (1280×720) HDR movies: Full HD Time-lapse movies: 4K/Full HD
Frame rate:	119.88p/59.94p/29.97p (with NTSC) 100.00p/50.00p/25.00p (with PAL)
Compression method:	Standard (IPB), Light (IPB) * In Hybrid Auto or time-lapse movie recording: ALL-I
Bit rate/Card performance requirements: (writing/reading speed)	4K (29.97p/25.00p)/Standard (IPB) : Approx. 120 Mbps/UHS-I, UHS Speed Class 3 or higher Full HD High Frame Rate (119.88p/100.00p)/Standard (IPB) : Approx. 120 Mbps/UHS-I, UHS Speed Class 3 or higher Full HD (59.94p/50.00p)/Standard (IPB) : Approx. 60 Mbps/SD Speed Class 10 or higher Full HD (29.97p/25.00p)/Standard (IPB) : Approx. 30 Mbps/SD Speed Class 4 or higher Full HD (29.97p/25.00p)/Light (IPB) : Approx. 12 Mbps/SD Speed Class 4 or higher HD (59.94p/50.00p)/Standard (IPB) : Approx. 26 Mbps/SD Speed Class 4 or higher 4K Time-lapse movie (29.97p/25.00p) : 40 MB/s or faster (reading speed) Time-lapse movie (29.97p/25.00p) : 20 MB/s or faster (reading speed)

Sound recording:	Built-in stereo microphones, external stereo microphone jack provided Sound-recording level adjustable, wind filter provided, attenuator provided
Movie digital IS:	Available (Enable/Enhanced)
HDR movies:	Available
Video snapshot:	Available
Time-lapse movies:	4K or Full HD
HDMI output:	Image output without information display available * 4K output supported; Auto/1080p selectable
Remote control shooting:	Available
Still photo shooting:	Not available during movie recording

■ Screen

Type:	TFT color, liquid-crystal monitor
Screen size and dots:	Approx. 7.5 cm (3.0 in.) (3:2) with approx. 1.04 million dots
Field of view (coverage):	Still photo shooting: Approx. 100% vertically/horizontally (when set to JPEG Large/Fine) Movie recording: Approx. 100% vertically/horizontally
Angular adjustment:	Tilting: Approx. 180° upward and 45° downward
Brightness adjustment:	Manual (7 levels)
Display settings:	Mode guide, Feature guide
Interface languages:	29
Touch-screen panel:	Capacitive sensing

■ Playback

Image display format:	Single-image display (without shooting information), Single-image display (with basic information), Single-image display (Shooting information displayed: Detailed information, Lens/histogram, White balance, Picture Style 1, Picture Style 2, Color space/noise reduction, Lens aberration correction 1, Lens aberration correction 2, GPS information), Index display (4/9/36/100 images) * Customizable shooting information display
Highlight alert:	Overexposed highlights blink
AF point display:	Available
Grid display:	3 types
Magnified view:	Approx. 2×–10×, initial magnification and position settable
Image search:	Search conditions settable (by rating, date, folder, protected, type of file)
Image browsing method:	1 image, 10 images, Specified number, Date, Folder, Movies, Stills, Protected, Rating
Image rotation:	Available
Image protection:	Available
Rating:	Available
Movie playback:	Available
Start/end movie scene editing:	Available
4K movie frame grab:	Extraction of specified movie frames and saving as JPEG images
Slide show:	All images or images matching the search conditions are played back automatically.
In-camera RAW image processing:	Creative Assist, RAW and C-RAW image processing possible Brightness adjustment, White balance, Picture Style, Auto Lighting Optimizer, High ISO speed noise reduction, JPEG image-recording quality, Color space, Lens aberration correction (Peripheral illumination correction, Distortion correction, Digital Lens Optimizer, Chromatic aberration correction, Diffraction correction)

Resizing:	Available
Cropping:	Available
Print ordering:	DPOF version 1.1 compatible

■ Customization Features

Custom Functions:	15 functions
Custom shooting modes:	Registered to C1/C2 on the Mode dial
My Menu:	Up to 5 screens can be registered
Copyright information:	Text entry and appending possible

■ Interface

Digital terminal:	Hi-Speed USB equivalent; terminal shape: USB Type-C Computer communication, charging with USB Power Adapter PD-E1
HDMI OUT terminal:	Type D (auto switching of resolution)
External microphone IN terminal:	3.5 mm diameter stereo mini-jack Directional Stereo Microphone DM-E1 or commercially-available external microphone connectable
Remote control terminal:	Compatible with Remote Switch RS-60E3
Wireless remote control:	Compatible with Wireless Remote Control BR-E1 (via Bluetooth)

■ Wireless Features

[Wi-Fi]

Standards compliance:	IEEE 802.11b/g/n
Transmission method:	DS-SS modulation (IEEE 802.11b), OFDM modulation (IEEE 802.11g/n)
Transmission frequency (central frequency):	Frequency: 2412 to 2462 MHz Channels: 1–11
Connection method:	Camera access point mode, infrastructure* * Wi-Fi Protected Setup supported
Security:	Authentication method: Open system, Shared key, or WPA/WPA2-PSK Encryption: WEP, TKIP, AES
Compatible devices/ services:	Smartphones, computers, Wi-Fi printers, Web services

[Bluetooth]

Standards compliance:	Bluetooth Specification Version 4.1 compliant (Bluetooth low energy technology)
Transmission method:	GFSK modulation
Compatible devices:	Smartphones, wireless remote controls

■ Power

Battery:	Battery Pack LP-E17, quantity 1 * AC power usable with household power outlet accessories * USB Power Adapter PD-E1 enables in-camera charging of LP-E17.
Number of possible shots:	Approx. 305 shots at room temperature (+23°C/73°F) * With power saving enabled, and using a fully charged Battery Pack LP-E17
Movie recording time available:	Approx. 1 hr. 20 min. at room temperature (+23°C/73°F) * Under default movie autoexposure mode settings, and using a fully charged Battery Pack LP-E17

■ Dimensions and Weight

Dimensions (W×H×D):	Approx. 119.6×70.0×49.2 mm/4.71×2.76×1.94 in.
Weight:	Approx. 408 g/14.39 oz. (including battery pack and card)/ Approx. 361 g/12.73 oz. (body only) * Applies to both black and silver models

■ Operating Environment

Working temperature range:	0–40°C (32–104°F)
Working humidity:	85% or less

- All the data above is based on Canon's testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
- Dimensions and weight listed above are based on CIPA Guidelines (except weight for camera body only).
- Product specifications and the exterior are subject to change without notice.
- If a problem occurs with a non-Canon lens attached to the camera, consult the respective lens manufacturer.